

**Cell Line** HNO210 | 300134

**General Information**

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | HNO210 is a human nasopharyngeal carcinoma cell line, established from a 69-year-old male patient with nasopharyngeal carcinoma (HNSCC). The cell line is characterized by a karyotype of 46,XY,4p,4q,der(21)t(4;21)(p11;q11). The cell line is derived from a primary tumor and is maintained in DMEM/F12 medium supplemented with 10% FBS. The cell line is characterized by a karyotype of 46,XY,4p,4q,der(21)t(4;21)(p11;q11), which is characteristic of HNSCC. The cell line is characterized by a karyotype of 46,XY,4p,4q,der(21)t(4;21)(p11;q11), which is characteristic of HNSCC. The cell line is characterized by a karyotype of 46,XY,4p,4q,der(21)t(4;21)(p11;q11), which is characteristic of HNSCC. |
| Organism    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Tissue      | Nasopharyngeal carcinoma                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Disease     | Nasopharyngeal carcinoma (HNSCC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

**Cell Line Characteristics**

|                   |                      |
|-------------------|----------------------|
| Age               | 69 years             |
| Gender            | Male                 |
| Ethnicity         | Chinese              |
| Morphology        | Epithelial cells     |
| Growth properties | Adherent, epithelial |

**Cell Line Identification**

|                     |                                  |
|---------------------|----------------------------------|
| Citation            | HNO210 (Cell Line) Cytion 300134 |
| Biosafety level     | 1                                |
| NCBI_TaxID          | 9606                             |
| CellSaurusAccession | CVCL_D215                        |

**Cell Line Source**

**HEK293T | 300134**

**HEK293T**

|                |                                                                                                                                      |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Culture Medium | DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO <sub>3</sub> , w: 1.0 mM $\beta$ -mercaptoethanol (Cytion 820300a) |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------|

|             |         |
|-------------|---------|
| Supplements | 10% FBS |
|-------------|---------|

|                      |         |
|----------------------|---------|
| Dissociation Reagent | Trypsin |
|----------------------|---------|

|              |                                                                                                                                                                                                                                       |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Subculturing | Cells are grown in DMEM supplemented with 10% FBS. For passaging, cells are trypsinized and resuspended in DMEM supplemented with 10% FBS. Cells are then seeded into new flasks at a density of 1 x 10 <sup>5</sup> cells per flask. |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|               |            |
|---------------|------------|
| Fluid renewal | 2 x 3 days |
|---------------|------------|

|               |                                                                                   |
|---------------|-----------------------------------------------------------------------------------|
| Freeze medium | DMEM supplemented with 10% FBS, 10% DMSO, and 10% FBS (Cytion 820300a) + 10% DMSO |
|---------------|-----------------------------------------------------------------------------------|

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Thawing and Culturing Cells | <ol style="list-style-type: none"><li>1. Thaw cells quickly in a water bath at 37°C.</li><li>2. Dilute cells in DMEM supplemented with 10% FBS.</li><li>3. Seed cells into a flask at a density of 1 x 10<sup>5</sup> cells per flask.</li><li>4. Incubate cells at 37°C in 5% CO<sub>2</sub>.</li><li>5. Monitor cell growth and confluency.</li><li>6. Pass cells when they reach 70-80% confluency.</li><li>7. Use cells for experiments when they are in the exponential growth phase.</li><li>8. Store cells in liquid nitrogen for long-term storage.</li></ol> |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                       |                                       |
|-----------------------|---------------------------------------|
| Incubation Atmosphere | 37°C, 5% CO <sub>2</sub> , humidified |
|-----------------------|---------------------------------------|

|               |      |
|---------------|------|
| Flask Coating | None |
|---------------|------|

**XXX HNO210 | 300134**

## Freezing Procedure

[illegible]

## Shipping Conditions

[illegible]

## Storage Conditions

[illegible]

XXXX XXXXXX XXXXXXXX XXXXXXXXXXXX

## Sterility

**XXXXXXXXXXXX XXXX XXXXXXXX XXXXXXXX PCR XXXXXX XXXXX XXXXXXXXXXXX XXXXXXXX XXXXXXXXXXXXXXX.**

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## XXXXXX HLA

**A\*:** '02:01:01, '02:05:01

**B\*:** '35:01:01, '58:01:01

**C\*:** 04:01:01, 07:18:01

**DRB1\*:** 01:02:01

**DQA1\*:** 01:01:02

**DQB1\*:** 05:01:01

**DPB1\*:** 04:01:01

**E:** 01:01, 01:03